
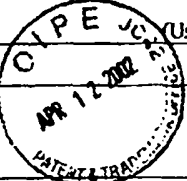


FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office				Attorney Docket Number 5470-107BDV3		Serial No. 10/008,233	
LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)							
				Applicants: Thorp et al.			
				Filing Date 6 November 2001		Group 1655	
U. S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
AC	1	4,545,382	10/08/85	Higgins et al.	128	635	
	2	4,683,195	7/28/87	Mullis et al.	435	6	
	3	4,683,202	7/28/87	Mullis	435	91	
	4	4,704,353	11/03/87	Humphries et al.	435	4	
	5	4,800,159	1/24/89	Mullis et al.	435	172.3	
	6	4,840,893	6/20/89	Hill et al.	435	6	
	7	4,883,579	11/28/89	Humphries et al.	204	403	
	8	4,908,307	3/13/90	Rodland et al.	435	6	
	9	4,945,045	7/31/90	Forrest et al.	435	25	
	10	4,963,815	10/16/90	Hafeman	324	715	
	11	4,965,188	10/23/90	Mullis et al.	435	6	
	12	5,066,372	11/19/91	Weetall	204	153.1	
	13	5,108,889	4/28/92	Smith	435	4	
	14	5,112,974	5/12/92	Barton	546	4	
	15	5,143,854	9/1/92	Pirrung et al.	436	518	
	16	5,149,630	09/22/92	Forrest et al.	435	7.9	
	17	5,157,032	10/20/92	Barton	514	185	
	18	5,171,853	12/12/92	Thorp et al.	536	27	
	19	5,175,082	12/29/92	Jeffreys	435	6	
	20	5,194,372	3/16/93	Nagai et al.	435	6	
	21	5,272,056	12/21/93	C.J. Burrows et al.	435	6	
	22	5,278,043	1/11/94	Bannwarth et al.	536	23.1	
	23	5,312,527	5/17/94	Mikkelsen et al.	204	153.12	
	24	5,378,628	1/03/95	Grätzel et al.	435	288	
	25	5,405,783	4/11/95	Pirrung et al.	436	518	
AC	26	5,439,829	8/8/95	Anderson et al.	436	518	
EXAMINER <i>Arum Kr. Chakrabarti</i>						DATE CONSIDERED <i>10/8/03</i>	

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				Filing Date 6 November 2001			
COPY OF PAPERS ORIGINALLY FILED							
AC	27	5,532,129	7/2/96	Heller	435	6	
	28	5,541,113	7/30/96	Siddigi et al.	436	56	
	29	5,545,531	8/13/96	Rava et al.	435	6	RECEIVED
	30	5,565,322	10/15/96	Heller	435	6	
	31	5,605,662	2/25/97	Heller et al.	422	68.1	APR 18 2002
	32	5,632,957	5/27/97	Heller et al.	422	68.1	TECH CENTER 1600/29
	33	5,744,305	4/28/98	Fodor et al.	435	6	
	34	5,871,918	2/16/99	Thorp et al.	435	6	
	35	5,874,219	2/23/99	Rava et al.	435	6	
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes No
	36	3076600	04/02/92	Japan			X
	37	WO93/20230	10/14/93	PCT			X
	38	0 478 319	4/1/92	EPO			X
	39	WO 85/02627	6/20/85	PCT			X
	40	WO 91/15768	10/17/91	PCT			X
	41	WO 94/22889	10/13/94	PCT			X
	42	WO 95/00530	1/5/95	PCT			X
	43	WO 97/02359	1/23/97	PCT			X
	44	WO 93/22678	11/11/93	PCT			X
	45	WO 95/12808	5/11/95	PCT			X
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	46	D. H. Johnston et al.; <i>Electrochemical Measurement of the Solvent Accessibility of Nucleobases Using Electron Transfer between DNA and Metal Complexes</i> , <i>J. Am. Chem. Soc.</i> 117:8933-8938 (1995).					
	47	K. M. Millan et al.; <i>Sequence-Selective Biosensor for DNA Based on Electroactive Hybridization Indicators</i> , <i>Anal. Chem.</i> 65:2317-2323 (1983).					
	48	W. Bains; <i>The Chip of the 90s</i> , <i>Chem. in Britain</i> 122-125 (Feb. 1995).					
	49	T. J. Meade et al.; <i>Electron Transfer through DNA: Site-Specific Modification of Duplex DNA with Ruthenium Donors and Acceptors</i> , <i>Angew. Chem. Int. Ed. Engl.</i> 34 No. 3:352-354 (1995).					
AC	50	S. P. A. Fodor et al.; <i>Multiplexed biochemical assays with biological chips</i> , <i>Product Review</i> 364:555-556 (1993).					
EXAMINER <i>Arum Kr. Chakrabarti</i>					DATE CONSIDERED <i>10/8/03</i>		

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LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)					
COPY OF PAPERS ORIGINALLY FILED			Applicants: Thorp et al.		
			Filing Date 6 November 2001		Group 1655
AC	51	S.P.A. Fodor et al.; <u>Light-Directed, Spatially Addressable Parallel Chemical Synthesis</u> , <u>Science</u> 251:767-773 (1991).			
	52	Z. Du et al.; <u>Automated Fluorescent DNA Sequencing of Polymerase Chain Reaction Products</u> , <u>Methods in Enzymology</u> 218:104-121 (1993).			
	53	J. M. Hall et al.; <u>An Electrochemical Method for Detection of Nucleic Acid Hybridisation</u> , <u>Biochem. and Molecular Bio. Int'l.</u> 32: No. 1, 21-28 (1994).			
	54	D. Noble; <u>DNA Sequencing on a Chip</u> , <u>Anal. Chem.</u> 67, No. 5:201-204 (1995).			
	55	Y. Jenkins et al.; <u>A Sequence-Specific Molecular Light Switch: Tethering of an Oligonucleotide to a Dipyrrophenazine Complex of Ruthenium(II)</u> , <u>J. Am. Chem. Soc.</u> 114:8736-8738 (1992).			
	56	K. M. Millan et al.; <u>Voltammetric DNA Biosensor for Cystic Fibrosis Based on a Modified Carbon Paste Electrode</u> , <u>Anal. Chem.</u> 66:2943-2948 (1994).			
	57	M. T. Carter et al.; <u>Voltammetric Studies of the Interaction of Metal Chelates with DNA. 2. Tris-Chelated Complexes of Cobalt(III) and Iron(II) with 1,10-Phenanthroline and 2,2'-Bipyridine</u> , <u>J. Am. Chem. Soc.</u> 111:8901-8911 (1989).			
	58	S. A. Strobel et al.; <u>Minor Groove Recognition of the Conserved G□U Pair at the Tetrahymena Ribozyme Reaction Site</u> , <u>Science</u> 267:675-679 (1995).			
	59	T. Ried et al.; <u>Simultaneous visualization of seven different DNA probes by in situ hybridization using combinatorial fluorescence and digital imaging microscopy</u> , <u>Proc. Natl. Acad. Sci. USA</u> 89:1388-1392 (1992).			
	60	R. Tizard et al.; <u>Imaging of DNA sequences with chemiluminescence</u> , <u>Proc. Natl. Acad. Sci. USA</u> 87:4514-4518 (1990).			
	61	A. Lishanski et al.; <u>Mutation detection by mismatch binding protein, MutS, in amplified DNA: Application to the cystic fibrosis gene</u> , <u>Proc. Natl. Acad. Sci. USA</u> 91:2674-2678 (1994).			
	62	C. J. Murphy et al.; <u>Fast photoinduced electron transfer through DNA intercalation</u> , <u>Proc. Natl. Acad. Sci. USA</u> 91:5315-5319 (1994).			
	63	S. A. Strobel et al.; <u>Site-Specific Cleavage of a Yeast Chromosome by Oligonucleotide-Directed Triple-Helix Formation</u> , <u>Science</u> 249:73-75 (1990).			
	64	C. J. Murphy et al.; <u>Long-Range Photoinduced Electron Transfer Through a DNA Helix</u> , <u>Science</u> 262:1025-1029 (1993).			
	65	D. H. Johnston et al.; <u>Trans-Dioxorhenium(V)-Mediated Electrocatalytic Oxidation of DNA at Indium Tin-Oxide Electrodes: Voltammetric Detection of DNA Cleavage in Solution</u> , <u>Inorg. Chem.</u> 33: 6388-6390 (1994).			
	66	M. Maeder et al.; <u>Nonlinear Least-Squares Fitting of Multivariate Absorption Data</u> , <u>Anal. Chem.</u> 62: 2220-2224 (1990).			
	67	M. Rudolph et al.; <u>A Simulator for Cyclic Voltammetric Responses</u> , <u>Analytical Chemistry</u> 66:589-600 (1994).			
AC	68	J. Osteryoung; <u>Voltammetry for the Future</u> , <u>Acc. Chem. Res.</u> 26 No. 3: 77-83 (1993).			
EXAMINER			Arum Kr. Chakraborty		DATE CONSIDERED 10/8/03

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LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)		RECEIVED APR 18 2002	
COPY OF PAPERS ORIGINALLY FILED		Applicants: Thorp et al.	TECH CENTER 1600/2900
		Filing Date 6 November 2001	Group 1655
AC	69	M. A. Tracy et al; <i>Dynamics of Rigid and Semirigid Rodlike Polymers</i> , <u>Annu. Rev. Phys. Chem.</u> 43: 525-557 (1992).	
	70	A. M. Pyle et al; <i>Mixed-Ligand Complexes of Ruthenium(II): Factors Governing Binding to DNA</i> , <u>J. Am. Chem. Soc.</u> 111:3051-3058 (1989).	
	71	O. S. Fedorova et al; <i>Application of Tris (2,2'-bipyridyl) ruthenium(III) for the Investigation of DNA Spatial Structure by a Chemical Modification Method</i> , <u>Journal of Inorganic Biochemistry</u> 34:149-155 (1988).	
	72	S. Satyanarayana, et al; <i>Neither Δ- nor Λ-Tris(phenanthroline)ruthenium(II) Binds to DNA by Classical Intercalation</i> ; <u>Biochemistry</u> 31 No. 39:9319-9324 (1992).	
	73	J. A. Saleeba et al; <i>[19]Chemical Cleavage of Mismatch of Detect Mutations</i> , <u>Methods in Enzymology</u> 217: 286-295 (1993).	
	74	S. Steeken et al; <i>One-Electron-Reduction Potentials of Pyrimidine Bases, Nucleosides, and Nucleotides in Aqueous Solution. Consequences for DNA Redox Chemistry</i> , <u>J. Am. Chem. Soc.</u> 114: 4701-4709 (1992).	
	75	K.R. Khrapko et al; <i>Hybridization of DNA with oligonucleotides immobilized in gel: convenient method for detection of single base changes</i> , <u>Mol. Biol.</u> 25(3): 718 (1991).	
	76	L. J. Maher III; <i>Inhibition of T7 RNA Polymerase Initiation by Triple-Helical DNA Complexes: A Model for Artificial Gene Repression</i> , <u>Biochemistry</u> 31 No. 33; 7587-7594 (1992).	
	77	Adams et al.; editors <i>The Biochemistry of Nucleic Acids</i> , <u>Chapman & Hall, New York</u> , pp 519-524 (1992)	
	78	Evans, et al., <i>a New Generation of DNA Chip Devices: Electronically Controlled DNA Hybridization on Semiconductors</i> , 1995 AAAS Annual Meeting and Science Innovation Exposition: The 161st National Meeting of the American Association for the Advancement of Science (February, 1995)	
AC	79	Millan, et al., <i>Sequence-Selective Biosensor for DNA Based on Electroactive Hybridization Indicators</i> , <u>Analytical Chemistry</u> , Vol. 65, pp. 2317-2323 (March 1993)	
EXAMINE		DATE CONSIDERED 10/8/03	

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